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Substitute for form 1449B/PTO		<b>Complete If Known</b>			
		Application Number			
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	April 1, 2003		
		First Named Inventor	Rui Sousa		
		Group Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	310307.90061

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
YK		"Probe Amplifier System Based on Chimeric Cycling Oligonucleotides," Biotechniques 9(2):142-146, 1990.	
		W.M. Barnes, et al., "DNA Sequencing by Partial Ribosubstitution," J. Mol. Biol. 119:83-99, 1978.	
		E.T. Butler and M.J. Chamberlin, "Bacteriophage SP6-specific RNA Polymerase," J. Biol. Chem. 257(10):5772-5778, 1982.	
		C. Cazenave, et al., "RNA Template-directed RNA Synthesis by T7 RNA Polymerase," PNAS 91:6972-6976, 1994.	
		D.H. Jones and B.H. Howard, "A Rapid Method for Recombination and Site-specific Mutagenesis by Placing Homologous Ends on DNA Using Polymerase Chain Reaction," Biotechniques 10/11:62-66, 1991	
		G.A. Kassavetis, et al., "Bacteriophage SP6-specific RNA Polymerase," J. Biol. Chem. 257(10):5779-5788, 1982.	
		D.A. Kostyuk, et al., "Mutants of T7 RNA Polymerase that are Able to Synthesize Both RNA and DNA," FEBS Letters 369:165-168, 1995.	
		H. Kotani, et al., "Nucleotide Sequence and Expression of the Cloned Gene of Bacteriophage SP6 RNA Polymerase," Nucl. Acids Res. 15(6):2653-2664, 1987.	
		R. Sousa and R. Padilla, "A Mutant T7 RNA Polymerase as a DNA Polymerase," EMBO J. 14(18):4609-4621, 1995.	
		E. Uhlman, et al., "Antisense Oligonucleotides: A New Therapeutic Principle," Chem. Rev. 90:543-593, 1990.	
		A. Wolfgang, et al., "Kinetic Characterization of Ribonuclease-resistant 2'-modified Hammerhead Ribozymes," Science 253:314-317, 1991.	

Examiner Signature	/Young Kim/	Date Considered	09/01/2006
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Sheet 1 of 2Form PTO-1449  
(Rev. 2-88)U.S. DEPARTMENT OF COMMERCE  
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310307.90061APPLICATION NO.  
Divisional of  
08/713,331INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

APPLICANT  
Rui Sousa, et al.FILING DATE  
September 13, 1996GROUP  
1809

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,683,195	07/28/87	Mullis, et al.			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		"Probe Amplifier System Based on Chimeric Cycling Oligonucleotides," <u>Biotechniques</u> 9(2):142-146, 1990.
		W.M. Barnes, "DNA Sequencing by Partial Ribosubstitution," <u>J. Mol. Biol.</u> 119:83-99, 1978.
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		G.A. Kassavetis, et al., "Bacteriophage SP6-specific RNA Polymerase," <u>J. Biol. Chem.</u> 257(10):5779-5788, 1982.

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PATENT AND TRADEMARK OFFICE

APPLICATION NO.  
Divisional of  
08/713,331

APPLICANT  
Rui Sousa, et al.

*(Use several sheets if necessary)*

FLING DATE  
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## U.S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

			D.A. Kostyuk, <u>et al.</u> , "Mutants of T7 RNA polymerase that are able to synthesize both RNA and DNA," <u>FEBS Letters</u> 369:165-168, 1995.
			H. Kotani, <u>et al.</u> , "Nucleotide sequence and expression of the cloned gene of bacteriophage SP6 RNA polymerase," <u>Nucleic Acids Res.</u> 15(6):2653-2664, 1987.
			R. Sousa and R. Padilla, "A mutant T7 RNA polymerase as a DNA polymerase," <u>EMBO J.</u> 14(18):4609-4621, 1995.
			E. Uhlmann, <u>et al.</u> , "Antisense oligonucleotides: A new therapeutic principle," <u>Chem. Rev.</u> 90:543-593, 1990.
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<b>Application Number</b>	<b>10/689,495</b>
<b>Filing Date</b>	<b>10/20/2003</b>
<b>First Named Inventor</b>	<b>Rui Sousa</b>
<b>Art Unit</b>	
<b>Examiner Name</b>	
<b>Attorney Docket Number</b>	<b>310307.90240</b>

Sheet	1	of	3
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## U. S. PATENT DOCUMENTS

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YK		Bonner, et al., "Mutations in T7 RNA polymerase that support the proposal for a common polymerase active site structure," The EMBO Journal 11:3767-3775 (1992)	
		Bonner et al., "Characterization of a Set of T7 RNA Polymerase Active Site Mutants," The Journal of Biological Chemistry 269:25120-25128 (1994)	
		Briebe, et al., "Role of T7 Polymerase His784 in Start Site Selection and Initial Transcription," Biochemistry 41:5144-5149 (2002)	
		Cheetham et al., "Structure of a Transcribing T7 RNA Polymerase Initiation Complex," Science 286:2305-2309 (1999)	
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		Osumi-Davis et al., "Bacteriophage T7 RNA Polymerase and Its Active-site Mutants," J. Mol. Biol. 237:5-19 (1994)	
		Padilla et al., "Efficient Synthesis of nucleic acids heavily modified with non-canonical ribose 2'-groups using a mutant T7 RNA polymerase (RNAP)," Nucleic Acids Research 27:1561-1563 (1999)	
		Padilla et al., "A Y639F/H784A T7 RNA polymerase double mutant displays superior properties for synthesizing RNAs with non-canonical NTPs," Nucleic Acids Research 30:e138 (2002)	
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↓		Zhang et al., "Protein quantification from complex protein mixtures usign a proteomics methodology with single-cell resolution," PNAS 98:5497-5502 (2001)	

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